

CLASSIFICATION:

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EXHIBIT R-2, RDT&E Budget Item Justification						DATE:		February 2000		
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE					
RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA 4					Surface Ship Torpedo Defense / 0603506N - Subhead C4NZ					
COST (\$ in Millions)	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Cost to Complete	Total Cost
Total PE Cost	0.000	4.840	4.614	0.000	0.000	0.000	0.000	0.000	0.000	9.454
Joint US/UK Surface Ship Torpedo Defense V2045	0.000	4.840	3.978	0.000	0.000	0.000	0.000	0.000	0.000	8.818
Surface Ship Torpedo Defense V0225	0.000	0.000	0.636	0.000	0.000	0.000	0.000	0.000	0.000	0.636
C.A. Mission Description and Budget Line Justification: Project V2045 continues a joint collaborative program with the United Kingdom to develop future technologies identified during the recent Demonstration/Validation (D&V) phase of the program, such as the mobile expendable acoustic decoy, concept one countermeasures, improved torpedo detection classification and localization, and improved performance of the AN/SLQ-25A in shallow water/littoral regions. Project V0225 continues the AN/SLQ-25A winch and tow upgrade efforts.										
Note: In accordance with 15 USC 638, \$.09M in FY 2000 is reserved for the Small Business Innovative Research (SBIR) assessment.										
1. (U) FY 1999 Accomplishments:										
<ul style="list-style-type: none">- (\$2.340) Developed an AN/SLQ-25A Winch and Tow Upgrade to Improve Performance in Littoral, Shallow Water Operations.- (\$0.900) Completed the Mobile Ship-Launched Countermeasure Acoustic Device (MSCAD) D&V Phase by conducting an end-to-end In Water Demonstration Test.- (\$0.750) Developed a structured, impartial evaluation system and evaluated Future Technologies to Improve the Performance of the Detection Classification, and Localization (DCL) Processing Component of Surface Ship Torpedo Defense. The Technologies Selected will be Available for Implementation into the DCL Torpedo Recognition and Alertment Functional Subsystem (TRAFFS) Component of the AN/SQQ-89 System.- (\$0.850) Conducted Large Deck Ship Study to Evaluate Present and Potential Concepts and Technologies. These Concepts May Be Used to Force Applications Which Would Focus on the Protection of Large Deck Ships Against Torpedo Attacks. Conducted Studies of Area Torpedo Defense Concepts. Developed an improved scattering mechanism for Concept 1										
2. (U) FY 2000 Plan:										
<ul style="list-style-type: none">- (\$0.636) Follow-On to AN/SLQ-25A Winch and Tow Upgrade Efforts.- (\$1.478) Complete AN/SLQ-25A Winch and Tow Littoral PECP.- (\$1.000) Define Tripwire Program Per Large Deck Study.- (\$1.000) Perform DCL Improvements.- (\$.250) Conduct Concept One Feasibility Study.- (\$.250) Develop ATT Processor.										

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<p>3. (U) FY 2001 PLAN: - (\$0)</p> <p>B. Program Change Summary:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: right;">FY 1999</th> <th style="text-align: right;">FY 2000</th> <th style="text-align: right;">FY 2001</th> </tr> </thead> <tbody> <tr> <td>FY 2000 President's Budget:</td> <td style="text-align: right;">5.000</td> <td style="text-align: right;">0.640</td> <td style="text-align: right;">0.000</td> </tr> <tr> <td>Appropriated Value:</td> <td style="text-align: right;">5.000</td> <td style="text-align: right;">0.640</td> <td></td> </tr> <tr> <td>Adjustment to FY 1999/2000 Appropriated Value/</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FY 2000 President's Budget:</td> <td style="text-align: right;">-0.160</td> <td style="text-align: right;">3.974</td> <td></td> </tr> <tr> <td>FY 2001 PRES Budget Submit:</td> <td style="text-align: right;">4.840</td> <td style="text-align: right;">4.614</td> <td style="text-align: right;">0.000</td> </tr> </tbody> </table> <p>Funding: FY 1999: Revised Economic Assumptions (-\$.011), SBIR/STTR Transfer (-\$.126), and Inflation Savings (-\$.023) FY 2000: Undistributed congressional reductions (-\$.026) and congressional add for the Cooperative International Program (\$4.000) FY 2001: Not Applicable.</p> <p>Schedule: Not Applicable</p> <p>Technical: Not Applicable</p> <p>C. Other Program Funding Summary:</p> <p>OPN BLI: 217600/217605/217606 Undersea Warfare Support Equipment</p> <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th></th> <th style="text-align: right;"><u>FY 1999</u></th> <th style="text-align: right;"><u>FY 2000</u></th> <th style="text-align: right;"><u>FY 2001</u></th> <th style="text-align: right;"><u>FY 2002</u></th> <th style="text-align: right;"><u>FY 2003</u></th> <th style="text-align: right;"><u>FY 2004</u></th> <th style="text-align: right;"><u>FY 2005</u></th> <th style="text-align: right;"><u>Complete</u></th> <th style="text-align: right;"><u>To</u> <u>Cost</u></th> <th style="text-align: right;">Total</th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">11.540</td> <td style="text-align: right;">.847</td> <td style="text-align: right;">4.266</td> <td style="text-align: right;">3.847</td> <td style="text-align: right;">6.961</td> <td style="text-align: right;">6.547</td> <td style="text-align: right;">CONT.</td> <td style="text-align: right;">CONT.</td> </tr> </tbody> </table>					FY 1999	FY 2000	FY 2001	FY 2000 President's Budget:	5.000	0.640	0.000	Appropriated Value:	5.000	0.640		Adjustment to FY 1999/2000 Appropriated Value/				FY 2000 President's Budget:	-0.160	3.974		FY 2001 PRES Budget Submit:	4.840	4.614	0.000		<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>Complete</u>	<u>To</u> <u>Cost</u>	Total		0	0	11.540	.847	4.266	3.847	6.961	6.547	CONT.	CONT.
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<p>D. Acquisition Strategy: Not Applicable</p> <p>E. Schedule Profile: Not Applicable.</p>		

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